

SUBSTITUTE FORM PTO-1449
(MODIFIED)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
00786-287004SERIAL NO.
UnknownINFORMATION DISCLOSURE
STATEMENT BY APPLICANT
(Use several sheets if necessary)APPLICANT
Shuping Tong et al.FILING DATE
March 26, 2001GROUP
Unknown

(37 CFR 1.98(b))

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AA						
AB						

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

	DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
AC							
AD							

OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

64	AE	Grgacic et al., J. Virol. 68:7344-7350, 1994; "The Large Protein of Duck Hepatitis B Virus Is Phosphorylated in the Pre-S Domain"
	AF	Macrae et al., Virology 181:359-363, 1991; "Myristylation of a Duck Hepatitis B Virus Envelope Protein Is Essential for Infectivity but Not for Virus Assembly"
	AG	Persing et al., J. Virol. 61:1672-1677, 1987; "The preS1 Protein of Hepatitis B Virus Is Acylated at Its Amino Terminus with Myristic Acid"
	AH	Fernholz et al., Virology 197:64-73, 1993; "Minor Envelope Proteins of Duck Hepatitis B Virus Are Initiated at Internal Pre-S AUG Codons but Are Not Essential for Infectivity"
	AI	Summers et al., J. Virol. 65:1310-1317, 1991; "Morphogenetic and Regulatory Effects of Mutations in the Envelope Proteins of an Avian Hepadnavirus"
	AJ	Sureau et al., J. Virol. 67:366-372, 1993; "Role of the Large Hepatitis B Virus Envelope Protein in Infectivity of the Hepatitis Delta Virion"
	AK	Budkowska et al., J. 67:4316-4322, 1993; "Hepatitis B Virus (HBV) Binding Factor in Human Serum: Candidate for a Soluble Form of Hepatocyte HBV Receptor"
	AL	Budkowska et al., J. Virol. 69:840-848, 1995; "Fibronectin of Human Liver Sinusoids Binds Hepatitis B Virus: Identification by an Anti-Idiotypic Antibody Bearing the Internal Image of the Pre-S2 Domain"
	AM	Hertogs et al., Virology 197:549-557, 1993; "Endonexin II, Present on Human Liver Plasma Membranes, Is a Specific Binding Protein of Small Hepatitis B Virus (HBV) Envelope Protein"
✓	AN	Mehdi et al., J. Virol. 68:2415-2424, 1994; "Hepatitis B Virus Surface Antigen Binds to Apolipoprotein H"

EXAMINER

Trenda Lumback

DATE CONSIDERED

5-11-02

EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

SUBSTITUTE FORM PTO-1449
(MODIFIED)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY DOCKET NO.
00786-287004SERIAL NO. 09/818,066
~~Unknown~~INFORMATION DISCLOSURE
STATEMENT BY APPLICANT
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Shuping Tong et al.FILING DATE
March 26, 2001GROUP
~~Unknown~~ 1648

(37 CFR 1.98(b))

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
BA						

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

	DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
BB							
BC							

OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

b6	BD	Neurath et al., J. Exp. Med. 176:1561-1569, 1992; "Cells Transfected with Human Interleukin 6 cDNA
		Acquire Binding Sites for the Hepatitis B Virus Envelope Protein"
-	BE	Pontisso et al., J. Gen. Virol. 73:2041-2045, 1992; "the preS1 domain of hepatitis B virus and IgA
		cross-react in their binding to the hepatocyte surface"
	BF	Pugh et al., Virology 172:564-572, 1989; "Infection and Uptake of Duck Hepatitis B Virus by Duck
		Hepatocytes Maintained in the Presence of Dimethyl Sulfoxide"
	BG	Tuttleman et al., J. Virol. 58:17-25, 1986; "In Vitro Experimental Infection of Primary Duck Hepatocyte
		Cultures with Duck Hepatitis B Virus"
	BH	Mandart et al., J. Virol., 49:782-792, 1984; "Nucleotide Sequence of a Cloned Duck Hepatitis B Virus
		Genome: Comparison with Woodchuck and Human Hepatitis B Virus Sequences"
	BI	Worder et al., Virology, 198:489-503, 1994; "Complete Genomes, Phylogenetic Relatedness, and Structural
		Proteins of Six Strains of the Hepatitis B Virus, Four of Which Represent Two New Genotypes"
	BJ	Wang et al., Nature, 323:508-13, 1986; "Structure, sequence and expression of the hepatitis delta
		(δ) viral genome"
	BK	Mason et al., J. Virol. 36:829-36, 1978; "Virus of Pekin Ducks with Structural and Biological
		Relatedness to Human Hepatitis B Virus"
	BL	Sprengel et al., J. Virol., 62:3832-39, 1988; "Isolation and Characterization of a Hepatitis B
		Virus Endemic in Herons"
✓	BM	Summers et al., Proc. Natl. Acad. Sci. USA, 75:4533-37, 1978; "A virus similar to human hepatitis B
		virus associated with hepatitis and hepatoma in woodchucks"

EXAMINER

Freenda Trumbull

DATE CONSIDERED

5-11-02

EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

SUBSTITUTE FORM PTO-1449 (MODIFIED)		DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. 00786-287004		SERIAL NO. <u>09/818,066</u> <u>Unknown</u>	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary) (37 CFR 1.98(b))				APPLICANT Shuping Tong et al.		GROUP Unknown <u>1648</u>	
				FILING DATE March 26, 2001			
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	CA						
	CB						
FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION							
		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION YES NO
	CC						
	CD						
OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)							
<u>bb</u>	CE	Marion et al., Proc. Natl. Acad. Sci. USA, 77:2941-45, 1980; "A virus in Beechey ground squirrels that is related to hepatitis B virus of humans"					
	CF	Mason et al., Hepatology, 9:635-645, 1989; "Experimental Systems for the Study of Hepadnavirus and Hepatitis Delta Virus Infections"					
	CG	Yuasa et al., Virology 181:14-21, 1991; "Peptide Mapping of Neutralizing and Nonneutralizing Epitopes of Duck Hepatitis B Virus Pre-S Polypeptide"					
	CH	Chassot et al., Virology 192:217-223, 1993; "Fine Mapping of Neutralization Epitopes on Duck Hepatitis B Virus (DHBV) pre-S Protein Using Monoclonal Antibodies and Overlapping Peptides"					
V	CI	Lu et al., J. Virol. 70:2277-2285, 1996; "Protease-Induced Infectivity of Hepatitis B Virus for a Human Hepatoblastoma Cell Line"					
	CJ						
EXAMINER <u>Freida Trumbach</u>				DATE CONSIDERED <u>5-11-02</u>			
EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

Substitute Disclosure Form (PTO-1449)

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 00786-287004	Application No. Unknown 09/818,066
Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))		Applicant Shuping Tong et al.	
		Filing Date March 26, 2001	Group Art Unit Unknown 1648

U.S. Patent Documents							
Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

Foreign Patent Documents or Published Foreign Patent Applications								
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	AL							
	AM							
	AN							
	AO							
	AP							

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
bfb	AQ	Kume et al., The Journal of Biological Chemistry, 266(5):3323-3329
↓	AR	Database GenEmbl on Gencore, Accession No. M64402 J05742 and D90266
↓	AS	Database Pir51 on MPSRCH, Accession No. A39521
	AT	

Examiner Signature <i>Frederick Humback</i>	Date Considered 5-11-02
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	